MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

April, 1945

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

APRIL 1945

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.8	54.7	58.2	55.9	19.8	12.2	12.8	17.8	15.1	15.2
2	9.4	9.6	9.8	9.6	20.7	12.9	16.7	20.7	17.4	18.3
3	9.7	9.6	61 0	60.1	21.0	13.0	18.4	20.7	16.1	18.4
4	61.7	62.2	3.9	2.6	21.4	13.2	17.7	21.2	16.1	18.3
5	6.7	7.1	7.5	7.1	21.7	13.4	18.9	21.5	15.6	18.7
6	66.8	64.3	64.0	65.0	22.5	14.8	18.4	22.3	16.6	19.1
7	2.2	1.5	1.6	1.8	21.9	13.2	17.8	21.6	18.3	19.2
8	0.9	59.6	0.3	0.3	24.3	15.0	19.4	22.5	16.7	19.5
9	0.5	60.1	0.7	0.4	22.1	15.2	19.7	21.4	16.7	19.6
10	59.6	58.5	57.8	58.6	20.0	9.9	18.0	18.3	13.8	16.7
11	58.9	59.5	60.8	59.7	20.1	12.2	15.2	19.5	13.7	16.1
12	62.7	61 8	1.9	62.1	20.1	13.4	18.3	20.1	15.6	18.0
13	3.3	3.2	4.4	3.6	20.1	12.9	17.7	18.2	14.9	16.9
14	5.9	5.9	6.1	6.0	21.8	13.0	18.4	21.4	15.2	18.3
15	5.0	3.9	3.3	4.1	21.7	15.2	19.0	21.6	16.6	19.1
16	*62.0	62.0	61.6	61.9	21.7	14.6	17.4	21.7	15.9	18.3
17	1.4	1.2	1.3	1.3	22.7	14.1	17.5	22.3	17.0	18.9
18	1.6	1.7	1.2	1.5	21.8	13.0	17.3	20.4	15.9	17.9
19	0.9	0.8	1.0	0.9	21.2	12.8	16.6	20.8	15.1	17.5
20	1.0	0.9	0.0	0.6	21.8	13.4	16.5	21.6	15.4	17.8
21	59.4	59.3	60.0	59.6	21.3	15.6	17.2	20.7	17.4	18.4
22	62.0	64.1	58.5	61.5	21.9	13.6	16.1	17.8	16.2	16.7
23	5.1	4.8	63.8	4.6	22.9	15.1	17.6	22.3	16.2	18.7
24	1.5	1.0	59.7	0.7	27.3	16 9	21.7	26.9	20.2	22.9
25	59.3	59.2	7.9	58.8	23.8	16.1	19.6	23.3	17.4	20.1
26	57.9	59.8	61.2	59.6	23.3	13.1	19.6	23.3	16.7	19.9
27	62.3	62.8	2.8	62.6	24.0	15.4	18.3	23.4	16.9	19.5
28	3.0	3.2	2.8	3.0	22.7	16.8	17.8	21.1	17.3	18.7
29	1.1	0.6	59.6	0.4	25.6	15.6	18.4	25.5	18.3	20.7
30	58.5	58.2	8.1	58.3	25.3	15.6	19.9	25.0	20.4	21.8
	61.50	61.37	61.36	61.40	22.21	14.04	17.93	21.49	16.49	18.64

Barometer, range for month 754.7 — 766.8 mm.

„ 62-yr. average for month 760.04 mm.

Thermometer, range for month 12.2°C. — 27.3°C

„ 62-yr. average for month 18.96° C.

Rain. total for month 38.86 mm; average total for month 57.40 mm.

Total, from Sept. 1st. to end of month 1061.97 mm.

62-yr. average, Sept. 1st. to end of month 862.07 mm.

* From April 16 time of readings, 1 hour earlier than indicated

APRIL 1945

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.5	10.8	9.8	10.0	86	72	76	78	1.8	55.	10.42
2	10.1	11.1	10.5	10.6	72	61	71	68	8.0	89.	
3	11.3	12.4	10.9	11.5	73	68	81	74	9.6	578.	
4	10.8	12.0	11.0	11 3	71	65	82	73	6.8	256.	
5	11.4	12.4	12.1	12.0	70	65	92	76	9.8	71.	
6	11.4	13.0	12.4	12.3	73	65	88	75	9.9	82.	
7	11.8	12.2	11.3	11.8	78	64	73	72	9.8	97.	
8	10.8	12.2	10.9	11.3	64	59	77	67	9.9	132.	
9	11.5	11.9	11.4	11.6	67	63	81	70	8.7	649.	0.76
10	10.0	9.7	9.3	9.7	64	61	79	68	4.4	797.	2.54
11	8.9	9.6	9.0	9.2	69	57	76	67	8.7	182.	24.38
12	9.4	9.7	8.8	9.3	59	55	67	60	9.6	61.	
13	10.4	10.5	9.7	10.2	69	68	77	71	8.2	53.	
14	10.3	11.8	10.9	11.0	66	62	85	71	10.0	68.	
15	6.8	12.0	10.8	9.9	73	63	77	71	10.5	87.	
16	11.8	11.9	10.9	11.5	80	62	81	74	10.0	77.	
17	11.8	12.8	11.9	12.2	79	64	83	75	10.5	92.	
18	11.7	9.4	8.6	10.2	79	53	63	65	10.4	71.	
19	6.5	6.2	6.5	6.4	64	48	71	61	11.5	195.	
20	6.4	7.5	7.0	7.0	63	52	73	63	11 4	93.	
21	9.6	10.9	10.9	10.5	66	59	73	66	10.3	303.	
22	9.7	10.9	9.8	10.1	72	72	72	72	10.6	341.	0.76
23	9.5	11.2	11.0	10.6	63	56	81	67	11.3	109.	
24	9.7	11.5	9.6	10.3	50	42	54	49	10.3	171.	
25	12.7	13.7	12.7	13.0	75	63	85	74	11.1	113.	
26	12.3	11.2	10.3	11.3	73	53	73	66	11.0	245.	
27	9.7	11.8	10.7	10.7	61	54	74	63	11.5	92.	
28	8.7	10.0	10.5	9.7	58	53	71	61	10.6	307.	
29	10.0	13.3	12.3	11.9	63	54	79	65	11.2	295.	
30	13.3	14.6	15.1	14.3	77	62	84	74	12.5	51.	
	10.26	11.27	10.55	10.71	69.2	59.8	76.6	68.5	9.36	193.7	1.29

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cu-ni	10cu	0	6.7	2s	2s	1s	mod.	
2	10cu	0	0	3.3	1se	1s	1s	slight	
3	0	6cu	4cu	3.3	3s	3s	2s	calm	H. p. m.
4	7cu	5cu	8cu	6.7	2sw	3sw	1sw	slight	
5	0	1cu	0	0.3	1sw	2sw	0	calm	
6	0	0	0	0.0	1ne	2ne	0	light	
7	0	0	0	0.0	1w	2sw	2sw	„	D. a. m.
8	0	0	8cu	2.7	1e	2sw	1sw	„	
9	8cu	1cu	2cu	3.7	2sw	2sw	2w	slight	W. at night
10	3cu	10cu	8ni	7.0	2sw	5sw	5sw	mod.	T. at night
11	9cu	5cu	0	4.7	2sw	3sw	0	slight	
12	0	0	0	0.0	2sw	0	2se	„	Tr. a. m.
13	2cu	3cu	0	1.7	1nw	2nw	0	light	D a. m.
14	0	1cu	0	0.3	2sw	2w	0	„	D. a. m.
15	7ci	0	0	2.3	1n	1nw	1nw	„	D. a. m.
16	*6cu	10si-st	0	5.3	1sw	1nw	0	light	D.& F.a m. Summer time
17	0	1cu	1cu	0.7	2sw	1sw	1sw	„	D. a. m. starts
18	3cu	2ci-uc	3cu	2.7	0	2nw	0	slight	D. a. m.
19	0	0	0	0.0	1n	1nw	0	light	
20	0	0	0	0.0	0	1n	0	„	
21	0	2cu	10ni	4.0	1sw	2sw	3sw	mod	
22	6ci	6st	4-st	5.3	1sw	2sw	2sw	rough	Tr. p. m.
23	2cu	0	0	0.7	1sw	2sw	0	slight	
24	4cu	0	0	1.3	1sw	2sw	1sw	calm	
25	1ci	1ci	0	0.7	1sw	1sw	0	light	
26	10cu-ni	1cu	2cu	4.3	1sw	2sw	1sw	slight	M a. m.
27	1cu	0	0	0.3	0	0	2n	„	Tr. a. m.
28	0	9cu	0	3.0	0	2nw	3n	„	
29	1cu	0	0	0.3	1ne	2ne	0	„	
30	6cu	0	0	2.0	2ne	1n	1n	light	Tr. a. m.
				2.44					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	3	1	1	2	14	2	1	4	30
14:30	2	2	0	0	3	14	1	6	2	30
20:30	3	0	0	1	3	9	1	1	12	30
Totals	7	5	1	2	8	37	4	8	18	90

Number of days with rain 5, fog 1, thunderstorms 1, gale 0.

62 yr. av. days with rain during month 6.3 days